

## ABSTRACT

One embodiment discloses a computerized method of facilitating cardiac intervention. The method may include inputting patient data and creating a computerized interactive model of a heart based on the patient data. The model may include features. The model may simulate at least one proposed cardiac intervention by adding or deleting features to the model, and determining the effects of the proposed cardiac simulation upon the entire model. Simulations may be repeated to allow the user to determine an optimal cardiac intervention. A template and/or patient specific instrument may be created from the model to use as a guide during the cardiac intervention.